

Frye becomes Vic chancellor

In his address to fellow Victorians Oct. 11, newly installed chancellor Northrop Frye delivered "a historical retrospect followed by an exhortation to persevere in the tried and tested way".

"Victoria's distinctive tradition has three aspects," he said, "religious, humanistic and residential. Removing any of these would destroy, for both staff and students, the double identity of a distinguished college and a great University. If all the colleges were weakened beyond effectiveness, the arts and science faculty would still be big and impressive, but no longer great. Such a disaster could occur, not through spiritual wickedness in high places, but simply through the heavy pressure of restricted budgets that can in time wear down any university into an academic processing factory."



"Linden Lea" manuscript found

While cleaning out a bookcase in his office, Hart House program adviser Peter Wall reports that he came across "a rather dusty volume, beautifully bound and engraved, that upon closer examination turned out to be the original manuscript of Ralph Vaughan Williams' song, 'Linden Lea'. This volume had been the property of Campbell McInnes, a long-time friend and active member of the House, who for many years conducted the Hart House Glee Club."

The manuscript will be housed in the Faculty of Music Library, where it can be seen and used by students.

Number 6, 32nd year
The University of Toronto *Bulletin*
is published by the Department of
Information Services, 45 Willcocks St.,
Toronto M5S 1A1.

Bulletin

\$1 million for diabetic research

A\$1 million grant from provincial lottery funds will endow a Charles Herbert Best chair of medical research at U of T, Health Minister Dennis Timbrell announced Oct. 18 at a ceremony held to honour Dr. Best. The co-discoverer of insulin, Best died recently at age 79. He was "a world-famous Canadian," said Timbrell.

At the day of lectures, films and presentations commemorating Best's achievements, the establishment of a Banting & Best Diabetes Centre and a Charles H. Best Memorial Fund were also announced.

Although the appointment of a scientist to the new chair may not occur for a year or two, Timbrell said, the interest from the endowment (to a total of \$100,000) will be made available

immediately to the new centre on a matching basis. The funds will make it possible for the centre to begin work at once organizing its program of research, training and education.

The memorial fund has already received \$12,000 in cash and pledges, said Dr. E.A. Sellers, Department of Pharmacology and chairman of the centre's planning committee, as well as a \$250,000 bequest to be used to support diabetic research in the Faculty of Medicine.

The new centre will not be a building or a department, but a "focus of interest" it was explained, designed to develop the University and its affiliated teaching hospitals as "a provincial, national and international centre for the study of diabetes and related diseases".



Health Minister Dennis Timbrell hands President Ham an envelope representing the province's \$1 million gift to U of T for diabetic research

\$6 million will be cut from budget

and \$9 million from MCU will rebuild Sandford Fleming,
Governing Council hears at Erindale

When Governing Council met at Erindale College Oct. 19, Paul Fox delighted members with a principal's report in the form of a short slide show — "only nine minutes, so no one will be tempted to slink away".

The armchair tour of the Mississauga campus included scenes of the University's newest laboratory, some of its youngest researchers and its 224 acre "living laboratory".

"Erindale is a good idea that works,"

Fox said in a press release distributed at the meeting. "It would be silly to even think about closing an institution where students are going to be available in growing numbers."

President James Ham, in his report to council, advised members that a letter from the Hon. Bette Stephenson, Minister of Education and Colleges & Universities, had expressed approval in principle for the University's receiving more than \$9 million in capital funds for

the reconstruction of the Sandford Fleming building.

"This is a very happy decision on the part of the minister," the President said, pointing out that there was only a very small discrepancy between the funds that the University had requested, and the funds it had received. (The University's estimate, presented to MCU last year, was for \$11,413,961.)

The President also commented on the

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Long-term planning a necessity

as a result of subcommittee's report, Academic Affairs Committee learns

This has not been an institution wed to long-term planning, but now we've been pressed into it for obvious reasons," Vice-Provost Milton Israel told the Academic Affairs Committee at its Oct. 12 meeting.

He made the remark during a two-hour discussion of the Planning & Priorities Subcommittee's second interim report on planning as it affects each academic division and the University as a whole.

Faculty is crucial element

"Most of our planning was done in greener days," said Vice-Provost Israel. "When I arrived at the history department in 1964 there were eleven other appointees starting out in the tenure stream. Now that the size of the tenure stream is being reduced, we won't make that many new appointments a year in the whole University."

Even without new tenure stream positions, another base budget cut of three-and-a-half percent will probably be necessary again in the spring, he said, adding that the combination of cutbacks, inflation, and the weakened dollar would also have a considerable effect on the

number of books that can be purchased.

"Do we just buy less and let the quality of our libraries deteriorate? It's a difficult decision, but one that's clearly forced on us."

If the University is serious about reinforcing excellence, the effect of tenure stream salaries on budgetary inflexibility will have to be fully explored, said student member Brian O'Riordan.

Faculty is the most crucial element in budgetary flexibility, agreed committee member Professor Merrijoy Kelner. If the University is to avoid being forced into inhumane measures, she said, it must take control now by looking into the possibilities of retraining people or paying them to retire early.

"If anything, we're already too late," said Dean Bernard Etkin, a presidentially appointed assessor member of the committee. "If our contracting resources continue into the next five years, it will be impossible to sustain and reinforce excellence unless we have the ability to ensure that the staff we have is the best we can have."

A major problem in this University is size and inefficiencies involved, said

committee member Professor James Conacher.

"Obviously there are efficiencies, such as the Robarts Library, but there are terrible bottlenecks. The people in Simcoe Hall have an impossible task. They're on a treadmill and the same is true of the dean of arts and science."

"I was on the Plateau Committee in 1955-56 that recommended the setting up of off-campus colleges but our report suggested then that those campuses would not necessarily always stay with the University. Maybe Erindale, for example, is at a disadvantage being part of the University. After all, it is in the area of the greatest population growth in the province, so it's hard to imagine that it won't survive."

Before making any move towards dissociating itself from the two suburban campuses, the University must consider its duty to the community, said Joyce Forster, an alumni representative on the committee.

"The extra burden of paying \$2,400

Continued on Page 11

Research News

Energy & the Environment:

Needs and Constraints

The Ontario Research Foundation is sponsoring a symposium on energy and the environment as part of its 50th anniversary program. The symposium, which will take place on Nov. 7, is intended to be of general interest to those concerned with the technological aspects of the inter-relations between energy and environment. The scheduled speakers represent government, the resource and manufacturing industries, producers and distributors of energy, and the universities.

Further information may be obtained by calling the Ontario Research Foundation at 822-4111.

National Museums of Canada Urgent Ethnology Program

The National Museums of Canada invites proposals for research contracts for studies of Canadian Inuit, Indian or Métis cultures. Such studies may cover the art, history, language, material culture, music, mythology, social organization, technology etc. of the cultures concerned.

The primary object of the program is the recording and analysis of the rapidly changing cultures of the Inuit, Indian and Métis people of Canada. Preference will be given to projects involving substantial field work, particularly those related to cultures not yet studied or not yet adequately documented.

Ottawa deadline for receipt of contract submissions is November 30. For further information call ORA at 978-2163.

Commonwealth Universities interchange scheme

The Association of Commonwealth Universities invites applications for travel support to facilitate visits between different parts of the Commonwealth.

Awards are available in the following categories:

(A) University teachers or officers on recognized study leave;
(B) Distinguished university scholars invited by universities for short visits;
(C) Postgraduate university research workers holding research grants.
Visits under category "B" must be proposed by the inviting university and not by the individual concerned.

Deadline for applications and nominations is December 15. Application forms for categories "A" and "C", and guidelines for conditions of awards are available at ORA, call 978-2163.

Events deadlines for Bulletin

The deadline for submission of events to be listed in the new fortnightly *Bulletin* is Friday, mid-day, ten days before the paper in which they are to appear. Please remember that with the new publishing schedule events now cover a little over two weeks. For quick reference, *Bulletin* dates of publication for the next five papers with events and deadline dates in brackets, are given below.

November 6 (events Nov. 6 to 21, deadline Oct. 27)

November 20 (events Nov. 20 to Dec. 5, deadline Nov. 10)

December 4 (events Dec. 4 to 19, deadline Nov. 24)

December 18 (events Dec. 18 to Jan. 9, deadline Dec. 8)

January 8 (events Jan. 8 to 22, deadline Dec. 24 because of Christmas break)

Linda Wright,
Acting Editor, Bulletin



Assistant dean of law Marie Huxter displays the 15 books published by her prolific faculty members this past year. The titles include *The Child and the Courts* by I.F.G. Baxter and Mary Eberts and *The Law of Habeas Corpus* by S.M. Waddams

Job Openings

Below is a partial list of job openings at the University. Interested applicants should read the Promotional Opportunity postings on their staff bulletin boards, or telephone the personnel office for further information. The number in brackets following the name of the department in the list indicates the personnel officer responsible. Please call: (1) Sylvia Holland, 978-6470; (2) Penny Tai-Pow, 978-5468; (3) Manfred Wewers, 978-4834; (4) Ann Sarsfield, 978-2112; (5) Beverley Chennell, 978-7308; (6) Clive Pyne, 978-4419.

Clerk Typist III (\$8,480 — 9,980 — 11,480)
Astronomy (1), Information Services (1)

Computer Operator II (\$11,430 — 13,450 — 15,470)
Faculty of Library Science, Sessional (6)

Programmer II (\$13,340 — 15,700 — 18,060)
Health Care Research Unit (4)

Programmer III (\$16,420 — 19,320 — 22,220)
Playfair Neuroscience Unit (4)

Engineering Technologist II (\$13,340 — 15,700 — 18,060)
Mechanical Engineering (5)

Control Technician (\$13,340 — 15,700 — 18,060)
Physical Plant (6)

Professional Engineering Officer (\$14,020 — 16,490 — 18,960)
Surgery (4)

Senior Electrical Draftsman-Draftsman III (\$14,020 — 16,490 — 18,960)
Physical Plant (6)

Administrative Assistant II (\$13,340 — 15,700 — 18,060)
Faculty of Dentistry (1)

Maintenance Engineer-Professional Engineering Officer III (\$20,220 — 23,790 — 27,360)
Physical Plant (6)

Dean of Men (\$20,220 — 23,790 — 27,360)
New College (2)

PhD Orals

Tuesday, October 24

Donald Clare MacCharles, Department of Political Economy, "The Cost of Administrative Organizations in Canadian Secondary Manufacturing Industries." Thesis supervisor: Prof. H.C. Eastman. Room 111, 63 St. George St., 9.30 a.m. (Change, oral previously scheduled Oct. 17, listed *Bulletin*, Oct. 10.)

Friday, October 27

Murray Hutchison, Department of Geology, "Refinement and Application of the Sphalerite Geobarometer." Thesis supervisor: Prof. S.D. Scott. Room 309, 63 St. George St., 10 a.m.

Peter Hayford Stephenson, Department of Anthropology, "A Dying of the Old Man and a Putting on of the New. The Cybernetics of Ritual Metanoia in the Life of the Hutterian Commune." Thesis supervisor: Prof. T. McFeat. Room 111, 63 St. George St., 2 p.m.

David Bruce Cook, Department of Political Economy, "The Political Thought of Albert Camus." Thesis supervisor: Prof. C.B. Macpherson. Room 307, 63 St. George St., 2 p.m.

Monday, October 30

Stephen Hannaford, Centre for the Study of Drama, "The Significant Object in Western Comedy." Thesis supervisor: Prof. J.R. deJ. Jackson. Room 111, 63 St. George St., 4 p.m.

Friday, November 3

Katherine Burgess Morrison, Department of English, "Henry Adams and His Brothers: A Study of American Conservative Thought." Thesis supervisor: Prof. B.S. Hayne. Room 111, 63 St. George St., 10 a.m.

Monday, November 6

James Dugan, Centre for the Study of Drama, "A Critical Study of the Plays of Elizabeth Inchbald." Thesis supervisor: Prof. R. Davies. Room 111, 63 St. George St., 4 p.m.

Gairdner lectures

Cancer-causing chemicals in the environment will be the subject of a brief paper to be given by Professors Elizabeth and James Miller during the Gairdner Foundation lectures Nov. 2 and 3 in the Medical Sciences Building auditorium (see *Events*, p.9).

The Millers are among nine winners of the 21st series of Gairdner Foundation International Awards who will outline their research at two lecture sessions open to all doctors, graduate and senior undergraduate students.

The sessions begin at noon and run until about 3 p.m. For further information, call 493-3101.

Volunteers needed for CNIB

Volunteers are needed to record texts for blind students using the tape transcription service of the Canadian National Institute for the Blind. The CNIB is looking particularly for readers of physics, mathematics, and computer science texts but volunteers in any area would be welcome.

The CNIB gives a short training course for those who have never recorded for the service. Studios are open from 9 a.m. to 9 p.m. and volunteers are expected to record a minimum of two hours a week. Sessions are arranged to fit readers' schedules.

For more information about the tape transcription service, please call the volunteer bureau at the CNIB, telephone 486-2572.

Faculty will 'chart its own future' says Dean Arthur Kruger of Arts & Science's new planning initiative

After suffering a \$1.25 million budget cut last spring, Dean Arthur Kruger of the Faculty of Arts & Science wants to find ways of "meshing academic programs and available resources" in order to maintain excellence despite diminishing funding.

His first step has been to establish a decanal team and a senior advisory committee. They will assist him in developing explicit objectives for the faculty and in planning a budget for the next decade. They will also assess the feasibility and impact of future initiatives.

"As the largest academic unit of the University," says Dean Kruger, "this faculty has a responsibility to chart its own future . . . rather than following the leads or resolutions of Governing Council and its committees, or of the University administration, as has been the case all too often in the past."

"They came very close to destroying the Master of Arts in Teaching about two years ago by making a move to require French. Fortunately that didn't go through."

Kruger also cites "the muddle on grading practices policy" as an example of "a chaotic situation created by Governing Council."

Serving on the decanal team are Vice-Dean Jacob Spelt, Associate Deans Jill Webster and Robert Pugh, assisted by Associate Dean Jan Steiner of the Faculty of Medicine, who has been seconded to Arts & Science, and will contribute his expertise in designing management information and planning systems.

Spelt, Webster, Pugh, and Steiner will also serve on the senior advisory committee along with Principal William Saywell of Innis College, Principal L.M. Lynch of St. Michael's College, Associate Dean J.F. Burke of the School of Graduate Studies, and five departmental chairmen: D.P. Gauthier (philosophy), J.N.P. Hume (computer science), Lorna Marsden (sociology), Endel Tulving (psychology), and Keith Yates (chemistry).

Their agenda over the next few months will include the Shepherd committee report on admissions criteria, the Kelly committee report on the curriculum, the counselling of first year students, liaison with high schools, and the problem of plagiarism.

Mordecai Richler at Scarborough

Mordecai Richler, winner of a Governor-General's Award in 1969 for *Cocksure* and in 1972 for *St. Urbain's Horseman*, will give the 1978 F.B. Watts Memorial Lecture at Scarborough on Oct. 24. (See *Events*, p. 9.)

Richler's writing has not been confined to books for adults. In 1974 he was nominated for an Academy Award and the Screenwriters' Guild of America award for his screenplay *The Apprenticeship of Duddy Kravitz*. And for *Jacob Two-Two Meets the Hooded Fang* he received the Canadian Booksellers' award for best children's book.

Born in Montreal in 1931, Richler attended Sir George Williams University. In 1951 he set sail for Europe where he lived for most of the next 20 years. He returned to Canada in 1972 as a visiting professor at Carleton University and now lives in Montreal.

Looking for people with 'the passion'

Dennis Lee, writer-in-residence, would enjoy meeting manically dedicated would-be writers



The University's 1978-79 writer-in-residence enjoys both renown in the community and respect in literary circles.

Dennis Lee is undoubtedly best known for his books of children's verse — *Garbage Delight*, *Nicholas Knock*, and *Alligator Pie* (chosen by the Canadian Association of Children's Librarians as the best children's book of 1974, and included in the 1976 Hans Christian Andersen honour list).

But the 39 year old poet and essayist also addresses a sophisticated adult audience, with such collections as *Civil Elegies and other Poems* and *Savage Fields: An Essay in Literature and Cosmology*.

"Dennis Lee is a very able poet," says Professor Northrop Frye. "He is perhaps the best person we have writing contemporary social and political poems, that is, in the sense of the term 'occasional' poetry."

As writer-in-residence, Lee will be available to counsel any U of T students, staff, and alumni seriously interested in writing poetry, novels, short stories, or non-fiction.

"I'm looking for anybody that has the passion. There's no telling where the combination of writing talent and manic dedication will turn up."

Before those with the passion do turn up (by appointment only), Lee asks that they submit samples of their work to room 2046 New College, 40 Willcocks Street. His office hours are Monday, Tuesday and Wednesday from 1 to 4 p.m. Appointments can be made by calling 978-5371.

Meanwhile Lee is hoping his predecessor, Carol Bolt, will be able to supply a list of "promising people" and he's checking out literary contributions to University publications over the past year.

The University's twelfth writer-in-residence, Lee is neither new to the job nor to the institution. From 1963 to 1967, after earning his master's degree here, he taught English at Victoria College. He was writer-in-residence in 1975 at Trent University, where he discovered the dangers of overwork inherent in the job.

"I prefer one-to-one encounters to workshops and that's a great deal more time consuming."

His experience in publishing will undoubtedly be useful, too. He was a founder of the House of Anansi Press and an editor there for six years. Now he is an editorial consultant to Macmillan

Company of Canada Ltd. But he's quick to point out that experience as an editor is not necessarily a qualification for guiding would-be writers towards producing publishable manuscripts.

"Lots of editors are hopeless when it comes to recognizing and nurturing literary promise. In fact, some are just a menace. I think being good at counselling is more a question of temperament.

"What I'll try to do is get an intuitive sense of whether or not a piece works. If it doesn't, I'll suggest ways to improve it. If it does, I hope I'll have the sense to keep my mouth shut."

While a writer is trying to "find his voice", he can be considered an apprentice, says Lee.

His own apprenticeship began when he was a student at Vic and it lasted "at least 10 years". He used to show his work to Professor Jay MacPherson, who was "like a friend and big sister" to him.

"What I was writing then was essentially hopeless but I can look back on it now and see what I was groping my way through to."

"I actually spent five years writing a book of sonnet variations that was crammed full of ill-digested ideas. Gradually I learned how to shift voices and tones."

Lee published three books before producing what he considers to be his first mature work — *Civil Elegies and Other Poems* (1972). It brought him a Governor-General's medal.

A one-time teacher at the now-defunct Rochdale College (an idealistic venture that was to become infamous) and a more nationalistic than socialistic voice on the fringes of the now-defunct Waffle group (the breakaway faction of the New Democratic Party), Dennis Lee is now less "socially involved" though no less socially concerned.

"In the past, I've tried to be five or six different people but lately I've been pouring myself into my work. The kind of writing I want to do is very serious and demanding. I'm not superman so I've reached an uneasy compromise by sending cheques to 10 or 15 organizations in which I have some belief. I'm not particularly delighted with that solution, though."

"Still, I'm 39, so I expect my rhythm will change again soon. I certainly don't see myself spending my entire adult life doing nothing besides crawling around inside the plumbing of writing."

Press Notes

If you passed by our conference room in the past few months you would have seen an unusual sight: every available inch of wall space was covered by superb black and white photographs of famous Canadians. Some of our production and design staff could be seen studying each print from a distance of about an inch, like a group of near-sighted art lovers in the Louvre for the first time.

They were examining the final proofs of *Karsh Canadians*, the renowned photographer's latest collection of portraits which UTP published on 21 October. The tonal range of the portraits in this volume — the jet blacks, the brilliant whites, and intermediate tones that give Karsh's portraits their vivid three-dimensional modelling — had taken two years to reproduce.

We didn't know quite what we were getting into, back in 1956, when Karsh was complaining about the work of other publishers. Marsh Jeanneret, then Director of the Press, promised to produce portraits which would be indistinguishable from the products of Karsh's darkroom. It took three years of experimentation before we could meet that promise. *Portraits of Greatness*, printed by sheet fed gravure in Holland, won instant acclaim. Since then we have published three other volumes of international portraits printed in Europe. But a book about Canadians had to be printed in Canada. And so the whole process began again.

Laurie Lewis, who designs this column so nicely, says that if we can somehow mention Margaret Atwood she will include her portrait from the book. Done.

Sheet fed gravure was out of the question, so we turned to a process called duotone lithography. Papers were tested. Inks devised. Proofs were pulled, checked by Karsh, rejected, and revised. This process was repeated again and again. (Our production manager's eyes at the final stage were reduced to two small points of light and you approached him at your own risk.) You can judge our success for yourself — over 15,000 copies of *Karsh Canadians* were sold before publication, and a reprinting is already underway.

Close to 100,000 copies of previous books of Karsh portraits have been bought since 1957. These sales have contributed enormously to UTP's operating revenues, and thus to our ability to publish scholarly books which have small markets and cannot return their costs.

Have a look at *Karsh Canadians* the next time you're in the Bookroom. You will see that it was worth the special effort it took to produce it.

University
of Toronto
Press

Students bloom in Woodsworth's pre-University program

Hundreds of high school drop-outs, housewives with grown children, and immigrants who can't meet U of T admission requirements are taking advantage of a unique program at Woodsworth College that could be their ticket to a university education.

Established in 1967, the pre-university program is aimed at people who want to attend U of T, but don't have their high school matriculation. The only

admission requirement is age — you must be at least 21 when you finish — so the program has proven popular.

A student who enrolls takes one of five subjects — chemistry, mathematics, English literature, Canadian history, or Canadian studies. If, at the end of the course, which consists of 80 lecture hours, students achieve a passing grade of 70 percent, they are guaranteed admission to part or full-time studies in the Faculty

of Arts & Science.

Not everyone who starts the program finishes. Since there are no academic requirements for admission, many who enroll find the work, geared between the grade 13 and first year university levels, too difficult. As a result, the drop-out rate is usually around 50 percent.

However, this reduction in numbers is not unwelcome, according to program director Carol McKay.

"In order for our teachers to carefully evaluate whether or not a student is capable of doing university work, classes have to be small. In addition, the special emphasis on improving a student's reading and writing skills demands a small student/teacher ratio," she says.

After those who can't handle the program drop out, the ratio usually ends up being 18 students per instructor. Instructors are senior PhD students, and grade 13 teachers who, ideally, have taught adult night students.

Ray Maher has taught 10 sessions of pre-university English. "It's really a most rewarding kind of teaching, because you do see students make remarkable progress . . . actually blossom," he says.

In 1976, one of Maher's students was Kathy Bartels. She had been out of school for 16 years when she enrolled in the pre-university program. The 32-year-old mother of three children was a grade 10 graduate who had hopes of getting a degree, but was not sure she could handle university work.

The pre-university program gave her the opportunity to find out that she could, and she is now in her second year of part-time studies at Scarborough College.

"The course was everything I expected, and more," says Bartels. "I wanted to improve my communication skills and learn to write essays. Each time my essays were marked, I was amazed at how much detail my teacher put into the corrections. And any time I ran into difficulty, I knew I could go to him for help and encouragement."

"I was nervous about going to university, but because other people in the program were experiencing what I was, it gave me the confidence I needed."

In 1976-77, 487 students successfully completed the program. Of those, 278 went on to enrol in degree courses in the Faculty of Arts & Science.

Not every student who passes enrolls at U of T, says McKay. Some go to other institutions, while others are prevented from going to university immediately because of personal circumstances.

McKay keeps close track of those who enter degree courses at U of T, and she proffers statistics for the 1977-78 academic year as proof of the program's success.

"Eighty percent of the English students and 74 percent of the history students received grades of A, B, or C," she says. "Mathematics and chemistry students did less well, but this can be attributed to the greater degree of difficulty in most science disciplines."

In praise of Mark Huggins

At a symposium held recently to honour Professor Mark Huggins, civil engineering graduate, teacher and eminent designer, Dean Ben Etkin of the Faculty of Applied Science & Engineering remembered in particular Huggins' "amiability, his willingness to help, his sound judgement, and his wisdom".

At a dinner held at Hart House following the symposium, colleagues and friends, including President James Ham, praised Mark Huggins' professional farsightedness.

Quoting from Huggins' Sesqui long service award citation, Chairman G.W.R. Heinke reaffirmed the goal of the structural group of the Department of Civil Engineering — "to follow the direction Mark Huggins had such a key role in establishing, namely structural research directed towards obtaining solutions to the problems of the profession . . ."

Prof. Huggins designed a wide range of structures during his career, including the Seagram Tower at Niagara Falls.

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5,000	445.40	236.50	167.25	132.90	112.45
10,000	890.80	473.00	334.50	265.80	224.90

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Feast or famine for University researchers?

Introduction

In recent months a number of research-related government initiatives have been announced which may significantly influence research activities in Canadian universities. These actions are briefly summarized below in *New Opportunities for Research*?

Part of the University's reaction to

these initiatives has been the development, by an ad hoc subcommittee of the Research Board, of the document entitled *University of Toronto Response to the Federal Councils & MOSST*, printed in its entirety below. This identifies some problems encountered by faculty and graduate students and

proposes policies which the granting councils should adopt to encourage and maintain basic and strategic research in areas of national concern in universities.

The Research Board would welcome comments on this document, which may be addressed to the chairman, Professor A.G. Brook, at the Office of Research

Administration, Simcoe Hall. The document will be transmitted to the three council presidents and will serve, in part, as the basis for discussions to be held when they visit the St. George campus Nov. 8 to meet with the Research Board.

New opportunities for research?

Since April, 1978, there have been conflicting government directives regarding university research. On the one hand, major proposals made by Judd Buchanan, then Minister of State for Science & Technology, implied a tremendous increase in support of research and development; however, announcements of budget revisions by Ministers Robert Andras and Jean Chretien appeared to be entirely contradictory to the Buchanan initiatives.

Bill C-26, passed last spring, created three research councils: the Natural Sciences & Engineering Research Council (Gordon MacNabb, president); the Medical Research Council (Rene Simard, president); and the Social Sciences & Humanities Research Council (Andre Fortier, president). The effects of these rearrangements are unclear since the agencies are in the process of developing their own policies.

A major policy statement was made by Judd Buchanan June 1 concerning new directions for research and development in Canada. In summary, he stated that research and development would increase to 1.5 percent of the Gross Domestic Product by 1983 from its present 0.9 percent; that the federal government procurement policy would be altered to stimulate research and development; that the private sector would be encouraged through further tax cuts and tax incentives to spend more on research and development, thereby increasing job opportunities; that the government planned to further encourage the transfer of discoveries made in government laboratories to the private sector to increase innovation; that the government would create up to five industrial research and innovation centres to assist industry and private inventors to develop new products and technologies; that the government would assist in developing centres of excellence based on the natural and human resources in a given area; and that the government would increase funding of university research in areas of national concern (\$5 million was given to NSERC for this purpose, \$3 million to MRC, and \$2 million to SSHRC).

The minister's statement seemed to have far-reaching implications since it requires industry to increase its research and development activities by 20 percent annually in each of the next five years, and indicates a doubling of support for research in universities over the same period.

In a letter to President Evans June 1, Buchanan asked University researchers to consider his statement on new research directions, and to communicate their thoughts to him.

The University's response urged that excellence, above all, be the criterion in selecting among research proposals. U of T also asked for clarification of Buchanan's proposed "centres of concentration based on excellence" and

pointed out that regroupings of researchers occurred frequently at the University (e.g. a new food engineering group had been formed and others were under discussion). In addition, the University's response emphasized the necessity for developing mechanisms that would clearly identify areas of national concern.

On July 18, Gordon MacNabb of NSERC requested that the universities identify areas of national concern to which their researchers would best be able to contribute.

U of T, in its reply to MacNabb, indicated that there was already a large amount of NSERC-funded research in progress in areas of national concern: energy studies had received 59 awards for \$1.5 million; environmental studies, 113 awards for \$1.9 million; and industry related studies, 93 awards for \$1.8 million, all in the current year. In addition, new initiatives included discussions on a proposed toxicology institute in collaboration with the University of Guelph; the new food engineering program; a new chair for energy studies in the Faculty of Applied Science & Engineering; new instructional programs in environmental health and environmental engineering; the Inventions Foundation and the proposed innovations consortium.

However, budget revisions announced recently by Ministers Andras and Chretien have resulted in the cancellation of a number of research projects in identified areas of national concern, some of which will seriously affect support of university research — environmental studies, forestry, fisheries and the non-medical use of drugs.

Many of these changes, especially those which affect areas of national concern, appear totally contradictory to the new directions for research and development announced by Buchanan June 1. As a result, university researchers can be excused for being uncertain as to the policies and directions for research to which the government is *really* committed.

On Nov. 8, all three research council presidents will attend a meeting of the U of T Research Board. From 10 a.m. to 12.30 p.m. there will be meetings of each council president with his related Research Board committee (pure and applied science, health science, humanities and social sciences). At 2.10 p.m., in the Council Chamber, second floor, Galbraith Building, there will be an open meeting of the Research Board and the University research community with the three council presidents. The presidents have been asked to outline the roles and policies of their councils in supporting university research. Discussion of problems in conducting and managing research based in part on the University's response paper will follow.

*Professor A.G. Brook
Chairman, Research Board*

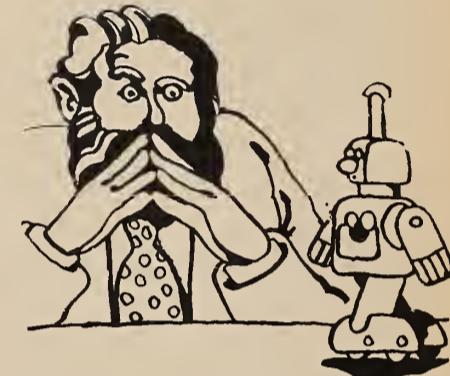
University of Toronto response to the federal councils and the Ministry of State for Science & Technology

I. Introduction

Research may be considered from many points of view. From one perspective there is research whose directions are dictated by the logic of the discipline itself, and the state of the knowledge therein. This research is often "pure" and fundamental, and usually is discovery oriented. It provides the essential framework on which later applied and practical endeavours are based. This kind of research is the particular contribution to the national research effort which can be best made by the universities: it therefore merits the strong continuing support of federal councils.

Another type of research arises from responses to identified (national) concerns for which solutions are required. This is often highly applied in character and may lead to important innovations in industry or more effective or economical practices. The universities contain much of the nation's talent to deal with such problems of national concern, and this University accepts the responsibility to contribute in a significant way in this area. These activities also warrant the financial support of the federal councils.

Whatever type of research may be



involved, it is the cornerstone of our beliefs that in decisions about which research projects should be supported, high quality should be the primary consideration.

The identification of areas of national concern and the establishment of evaluation criteria must be flexible, and should avoid a limited view of what is relevant.

The following are some recommendations that we believe will assist the research councils in establishing their programs for the support of research in the universities.

II. Recommendations

Spectrum of research

1. We recommend that the councils maintain a broad spectrum of research activity involving all disciplines, which ranges from the fundamental to the applied.

This arises from the evidence presented by the Science Council that the entire spectrum of university research activity in Canada is in need of strengthening to meet international standards of performance. The success of any initiative which the government or councils might take is dependent on the adequacy of a support base. This entails strong support of basic research and for the training of highly qualified student manpower able to respond to changing directions of national need. We cannot cultivate our science for its fruit and neglect, as we have in the recent past, its roots.

Range of programs

2. We urge the councils to seek the advice of the Canadian research community in defining a range of programs to be supported, including those to meet national needs.

The development of general policies, priorities within grant programs and criteria for the evaluation of submissions for funding, or of progress made related to previous funding should rely heavily on the judgements and advice of well-established researchers recognized by

their stature in the international scientific community.

We recognize that many of the criteria developed by the Science Council, excellence, critical mass, coherence and relevance, intersectoral co-operation, continuity and stability, may not be mutually compatible within one program, and we propose that a variety of programs be employed to meet desired objectives.

To implement our proposal, councils will face a difficult task and we urge that they develop methods of obtaining input from individual research workers of international stature, the universities, and from recognized associations and societies.

Criteria for evaluation

3. We urge that high merit¹ be the primary basis of evaluation in establishing selection criteria and priorities for financial support of proposals within programs.

Continued on Page 6

¹ "Merit" would include: technical feasibility, originality, and timeliness (given other thrusts within the field) of the proposal, and past performance. Secondary components would be presentation and appropriateness of the financial arrangements proposed.

resource for a group of scholars. Another example would be the value of having an experimental medieval drama group associated with a research program dedicated to the records of early English drama.

Starter grants

9. We recommend that the councils ensure that young researchers applying for a first grant receive sufficient funding and time to allow them to demonstrate their research potential.

We believe that promising young researchers should be given adequate time in which to demonstrate their research capability and should then be subjected to the same rigorous competition as other researchers. We believe that an initial three year grant would be appropriate: this should provide for adequate support services (technical assistance and equipment).

Investigations of technical feasibility

10. We recommend that all the councils establish modest programs to allow researchers, according to appropriate quality criteria, to pursue for a limited period, perhaps under a special contract arrangement, the technical feasibility of ideas of potential commercial value.

A program of this kind would provide a mechanism where inventions might be pursued to a more commercially useful stage of development by a discoverer whose primary interest may lie in the pursuit of more basic research programs. We would welcome assistance to improve our ability to innovate. In this regard, a modest grant or contract program directed to allow researchers to explore the feasibility of under-

developed inventions, on the basis of the high quality and long-term potential of the invention would greatly benefit some researchers at the University. This is as true for a potential new drug as it is for a potential new scientific instrument or a publication technique. The provision of released time in such grants might prove valuable.

Technology transfer

11. We recommend that the government devise ways of supporting useful university initiatives in the area of technology transfer.

We believe that increased technology transfer is essential to Canada's healthy industrial future, and it will be important to help universities to play a meaningful role in this endeavour.

The University of Toronto is an innovation centre with a variety of collaborative arrangements with industrial corporations and with a number of successfully licensed or co-operatively developed inventions arising from the University's research. The University is actively developing an Inventions Foundation in collaboration with venture capital interests to expand its innovative activity. The following are selected from among areas already developed in the University which appear to warrant particular support: scientific instrumentation, especially that related to analysis of various kinds; computing systems, including software and hardware; and the existing Biomedical Instrumentation Development Unit.

variety of alternatives for research support. These alternatives are not nearly as available in Canada, and failure to get a federal council grant presages the end of research activity for an individual. While this is a problem primarily of concern to the relevant universities and provinces, it does have ramifications at the national level in terms of producing highly qualified manpower.

(ii) Any increase in research activity, as referred to by MOSST Minister Buchanan's announcements of future government policy has implications for ever-more-tightly squeezed university budgets. Research generates many support costs, and grants must be sufficiently large to allow for the charging of the full direct costs of services such as machine shops, electronic shops, glass blowing, animal maintenance, computing, printing, and secretarial costs related to publications and research reports.

Only by being relieved of some of these direct costs will universities be able to accommodate an increased level of research activity.

In addition to identifiable direct costs, research generates indirect costs which are much more difficult to identify, and the capacity of a university to respond will be limited by the associated indirect costs of any additional research programs. In times of restricted budgets, universities are finding it increasingly difficult to meet such indirect costs.

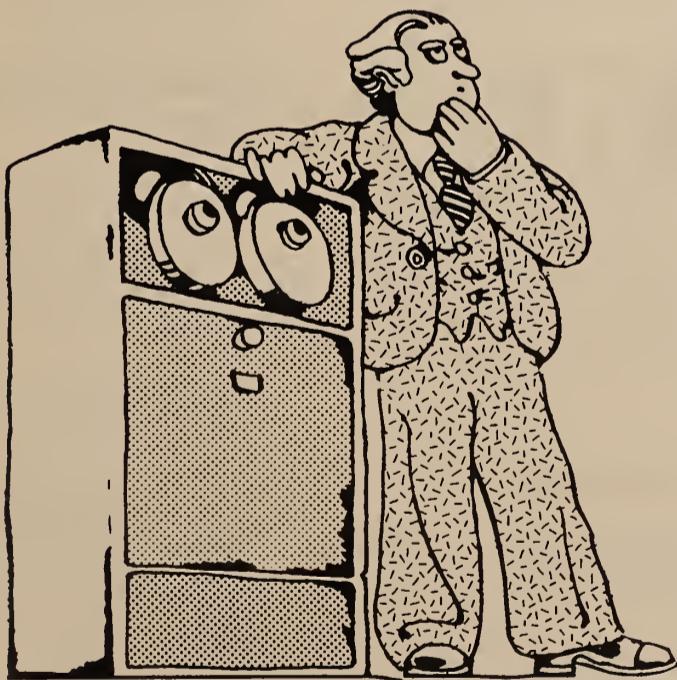
(iii) An increase in research funding would help to restore some of the losses in technical staff, and perhaps as well, the number of graduate students that have occurred in recent years. As a result of cutbacks in funding, research

teams have been broken up and highly technically qualified personnel have been laid off, particularly in medical, physical science, and engineering departments with tragic results to research activity. Such teams of experts cannot be reconstituted overnight, but the cessation of the destruction of these teams of experts is welcome. However, while some increase in research personnel can be accommodated in current University facilities, significant expansion would be impossible without some increase in facilities.

(iv) Finally, we wish to draw attention to a serious problem whose resolution is not obvious, namely the plight of many of Canada's brightest young PhD graduates who under present economic conditions find it very difficult to obtain appropriate professional employment, and almost impossible to obtain professorial positions in Canadian universities. This is a tragedy for the individuals, and it has serious implications for the health of universities in future years. Research and scholarship require and flourish in a stimulating atmosphere which involves fresh young creative minds. To avoid stagnation we must have our best young scholars actively involved with the government, industry, and the universities.

In concluding, we can only affirm the fact that any major continuing expansion of the level of university research activity must be carried out in co-operation with the provinces in such a manner that the universities receive adequate payment to cover the indirect costs of the research programs as well as the teaching programs which they must maintain.

III. Implications



In making the preceding recommendations, we must draw attention to several related implications for universities.

(i) Academics must be involved in research and scholarly activity of some sort, in order to be knowledgeable about the cutting edge of their discipline, an accepted requirement of a good teacher. If government and council granting policies restrict research funding only to exceptionally good basic researchers, or those able to submit outstanding proposals in areas of national concern, there may be a significant

number of academics who will become inactive in research, unable to supervise graduate students (who generally require support from research funds) and who, over the years, will lose their effectiveness as lecturers, leading to a general lowering of the quality of undergraduate and graduate training in our universities.

In the USA, researchers unsuccessful in obtaining support from the National Science Foundation, NIH, or other similar prestige organizations, have a

International Congress

Government assistance is available to persons undertaking to invite an international congress to meet in Canada. Conference Management Associates will provide assistance in concert with appropriate agencies to individuals who wish to develop an effective invitation programme.

This includes realization of receptions and inspection visits by site selection committees, evaluation of possible competitive invitations, development of a formal presentation to the head organization, and development of attractive, well-documented support materials. Travel assistance may also be provided.

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References provided: First Congress on Education; Ministry of Culture & Recreation; Third International Congress on Cleft Palate; Canadian International Philatelic Exhibition; and more.

Showmanship and sincerity

combine to make Erindale's 'Digger' Gorman one of the best teachers around

Geology Professor Donald H. Gorman, Erindale College, known affectionately to his students and colleagues as "Digger", has been awarded Ontario's highest honour for excellence in teaching. Prof. Gorman, 56, is one of ten university faculty members throughout the province to win the annual teaching award given by the Ontario Confederation of University Faculty Associations (OCUFA). Winners are chosen for superior work in the classroom and laboratory, for course presentation, team teaching, audio-visual presentations and other instructional areas.

This year's recipients were presented with their awards by the Hon. Bette Stephenson, Minister of Education and College & Universities, at a dinner Oct. 13.

Prof. Gorman was nominated for the award by the associate chairman of his department, Professor Geoffrey Norris, with letters of support coming from more than 50 former students now working as professional geologists throughout the world.

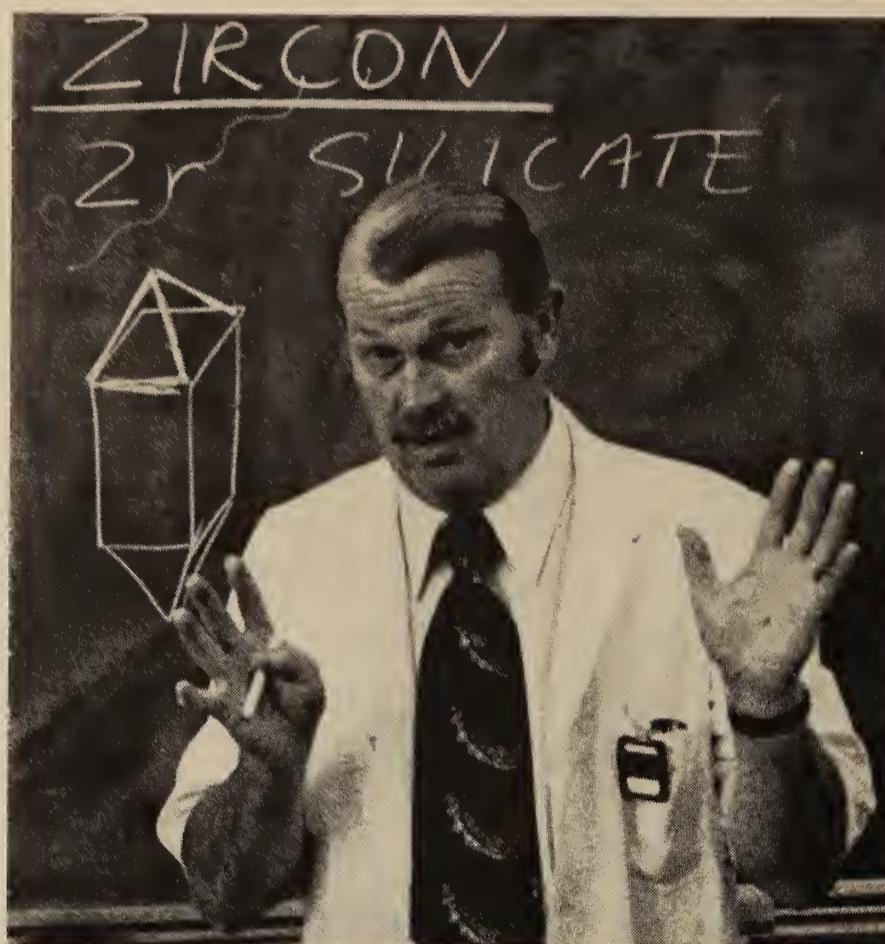
"Professor Gorman is known for his ability to teach normally unpopular topics such as mineral identification in an enthusiastic, inspiring and humorous way that engages the interest of even the most resistant student. Many of his present and former students describe Dr. Gorman as the most outstanding teacher they have ever encountered, and the one who has had the greatest impact upon their lives and careers," said Harry Murray, member of the OCUFA teaching awards committee, in a citation read at the dinner.

Born in Fredericton, Prof. Gorman received his doctorate in mineralogy from U of T in 1957. He joined the University faculty in 1965, after working as a geologist in government and industry.

He is well-known as a writer and performer for television programs on minerals, and in 1976 he was the winner of the Peacock Prize in mineralogy. Last year, the new mineral "Gormanite" was named in his honour.

Colleagues and students are unanimous in their praise of "Digger". ("Digger" comes from a childhood nickname "Dig", based on his initials, DHG, and given to him by his older brother.)

"He has incredible teaching ability and contributes great spirit to the department," says Professor Greg Anderson, who as a graduate student at U of T took a course in the identification of minerals "in the hand specimen" (as opposed to using a microscope or X-ray machine) from Prof. Gorman.



"The identification of minerals by sight is a very difficult thing to do, and to teach, but Digger can do it better than anybody — he's got lots of experience and a natural gift for it," says Anderson.

Prokopis Sivenas, a graduate student who has worked with Gorman for three years, says he is "friendly, approachable, and a very good teacher who gets his message through to students."

Professor Les Nuffield says Gorman "is one of the best-liked professors" that he has ever met, a popularity he attributes to three things.

"He never takes a lab or lecture lightly. He always knows well ahead of time what he is going to accomplish. His expertise is obvious, and the students sense that he is here because he wants to share it.

"And he is entertaining — a real character. He is a showman, but he uses that as an academic ploy."

To illustrate this showmanship, Prof. Nuffield recalls the time Gorman, acting as chief mineral identifier at the Bancroft Gemboree, an internationally recognized outdoor mineral show, displayed powers of deduction worthy of Sherlock Holmes.

"He had set up a tent for amateur mineral collectors to bring in their

samples for him to identify. On this particular occasion, a woman brought in some black powder on a slide. Now, black powder is black powder. But Gorman took one look at it, recognized it, and said 'That powder is from the moon and you stole it from my friend Clifford Frondel at Harvard'. How did he know? Psychology and intuition — he recognized her 'Harvard accent' and surmised the rest.

"He does that kind of thing with students, too, and they just love it. You might say Digger is the perfect teacher."

Asked what he thinks makes a good teacher, Gorman says it is "absolute sincerity".

"Students catch on quickly to whether or not you are sincere. They must feel that you are not just sloughing them off on the way to some meeting."

"To be a good lecturer, you must hold your audience, and for this you must be semi-entertaining."

As for the personal rewards of teaching, he says that the major one is "having my students know that they know as much about their subject, at that particular level, as anyone in the world."

\$6 million will be cut
Continued from Page 1

University's 1979-80 budget, noting that "the process of construction" had begun. The budget guidelines had been written, he said, and approved by the Resources Subcommittee. Sketching the guidelines briefly, he explained that funding next year would take three forms: basic income (government grants, tuition fees); cancellation of "one-time-only allocations of funds" in this year's budget; and a resolution on the President's part to cut the University's base budget by 3.5%, or \$6 million. Last year's budget had been reduced by a similar amount, the President said.

In response to a question about faculty and staff cuts, President Ham explained that last year both faculty and staff had had attrition rates of approximately two percent, noting that the decrease (some 132 people) was attributable to retirements and resignations. In due course he would explain "the human impact of this year's budget," he said.

Council members should make every effort to read the white paper produced Sept. 26 by the Ontario Council on University Affairs, the President urged. "The OCUA document is not the Ten Commandments, but it does lay out some of the puzzles facing us and other Ontario universities."

U of T should be "inventive, and come back with all sorts of imaginative plans for the future" in its spring response to OCUA, he added.

In other business, council approved an increase in Innis College's film screening fees (from \$10 to \$15), the appointment of Clarkson, Gordon & Co. as the University's external auditors, the temporary relocation of the Computer Systems Research Group to 121 St. Joseph St., and the replacement of a high temperature water line to the School of Architecture.

The next meeting of Governing Council will be Nov. 16.

Governing Council Oct. 19

- approved an increase of \$5 (from \$10 to \$15) in incidental fees for film screening in the Cinema Studies Program for full courses, effective 1978-79
- approved the replacement of a high temperature water line from the central power plant to architecture
- reappointed Clarkson, Gordon and Company as the University's external auditors for 1978-79
- approved clarifying amendments to the Policy on Appointments and Remuneration
- approved an extension to 1978-79 of exemptions to the Grading Practices Policy previously granted to academic divisions
- approved an amount of \$400,000 of unallocated income from the Connaught Fund to be capitalized for Connaught Fund purposes
- approved a requirement for an English proficiency test at Scarborough College

Eight U of T researchers are Killam winners

Of 44 I.W. Killam scholarships awarded to Canadian scientists and scholars, eight were presented to U of T researchers.

Winner of one of the five \$40,000 I.W. Killam Memorial Scholarships in science, engineering and medicine was physicist Boris Stoicheff. Professor Stoicheff's field is optical physics, and he received renewed support for his investigation of the spectroscopic properties of atomic "Rydberg" states.

Four U of T scholars received I.W. Killam Senior Research Scholarships: economist Richard B. Day, for his work on Soviet economists' analyses of developments in the major Western

capitalistic economies and their influence on Soviet policy-making; English scholar Phyllis Grosskurth, for her biography of polymath and sexologist Havelock Ellis; historian Michael Marrus, for his research into the Vichy government's persecution of the Jews living in France; and law professor Stanley Schiff, for the compilation of a combination casebook and textbook on the law of evidence for use in Canadian law schools and by practising lawyers.

Senior research scholarship renewal was granted to economist Albert Breton, who, in collaboration with Ronald Wintrobe of the University of Western Ontario, is conducting an economic

analysis of public bureaus, in order to discover the role played by bureaucracy in determining decisions and actions of government in a democracy. Near Eastern studies scholar Donald Redford also received a renewal of his research scholarship to assist in the re-assembly and study of 40,000 inscribed and decorated blocks of the temples of Akhenaten at Luxor. Scarborough College environmentalist James Ritchie received a scholarship renewal for his studies on the quaternary environments of northwest North America, northeast Siberia and the adjacent continental shelves.

United Way campaign needs you

Dr. W.E. Alexander, vice-president — internal affairs, and Dr. Ralph Garber, dean of the Faculty of Social Work, have agreed to serve as co-chairmen of the U of T committee for the 1978 United Way campaign. The campaign coordinator for the University will be R.B. Oglesby, associate secretary of the Faculty of Arts & Science.

Division and faculty co-ordinators are required again this year, and may be nominated by calling R.B. Oglesby at 978-3391.

Events

Lectures

Monday, October 23

The Search for a Canonical Interpretation of the Bible.

Prof. Brevard S. Childs, Yale University. First of four 1978 Laidlaw Lectures, "The Old Testament as Scripture of the Church". Knox College Chapel. 4 p.m.

The Subconscious Language of Musical Time.

Prof. Lewis Rowell, University of Hawaii, Manoa. 216 Edward Johnson Building. 4 p.m. (Music and SGS)

The Myth of Scientific Medicine: A Historian's Viewpoint.

Prof. L.S. King, University of Chicago. 3153 Medical Sciences Building. 5 p.m. (Hannah Institute)

Tuesday, October 24

Effect of Diet, Drugs and Hormones on the Synthesis of Triacylglycerols in the Liver.

Dr. D.N. Brindley, University of Nottingham Medical School. 416 Best Institute. 2 p.m.

The NBER International Transmission Model.

Prof. Michael Darby, University of California, Los Angeles. Front conference room, Institute for Policy Analysis, 150 St. George St. 2 to 4 p.m. (Political Economy and SGS)

The Book of Isaiah in the Context of the Canon.

Prof. Brevard S. Childs, Yale University. Second of four 1978 Laidlaw Lectures, "The Old Testament as Scripture of the Church". Knox College Chapel. 4 p.m.

Negritude and Pan-Africanism.

Prof. Michel Fabre, the Sorbonne. Donald G. Ivey Library, New College, 20 Willcocks St. 4 p.m. (African Studies Program, New College and African Studies Committee, CIS)

Mordecai Richler.

Mr. Richler will give the 1978 F.B. Watts Memorial Lecture. Meeting Place, Scarborough College. 8 p.m. Tickets free but required, telephone 284-3243. (Please note date.)

Wednesday, October 25

Richard Wright.

Prof. Michel Fabre, the Sorbonne. Classroom, Transitional Year Program, 214 College St. 11 a.m.

The Psalter in the Context of the Canon.

Prof. Brevard S. Childs, Yale University. Third of four 1978 Laidlaw Lectures, "The Old Testament as Scripture of the Church". Knox College Chapel. 4 p.m.

The Astronomy of the North American Indians.

Dr. John A. Eddy, High Altitude Observatory, Boulder. West Hall, University College. 4 p.m. (Physics and UC)

Small Science Is Beautiful.

Prof. Em. Erwin Chargaff, Columbia University, SGS Alumni Association 1978 Distinguished Lectures. 3153 Medical Sciences Building. 4 p.m. (Biochemistry, Clinical Biochemistry, IHPST, New College and SGS)

Aspects of the Status of Women in Hungary.

Dr. Anna Foldes, editor of Hungarian Women's Journal and literary critic, Hungary. 2008 New College, 40 Willcocks St. 4 p.m. (Slavic and Women's Studies)

Thursday, October 26

The Book of Daniel in the Context of the Canon.

Prof. Brevard S. Childs, Yale University. Last of four 1978 Laidlaw Lectures, "The Old Testament as Scripture of the Church". Knox College Chapel. 4 p.m.

The Community of Learners.

Prof. W.J. McKeachie, Snider Visiting Fellow from University of Michigan. S-319 Scarborough College. 4 p.m.

From Alexander Pope to Aubrey Beardsley: "The Rape of the Lock" and Its Illustrations.

Prof. Robert Halsband, University of Illinois, Urbana. Upper Library, Massey College. 4 p.m. (English and SGS)

Allusion High and Low.

Prof. William Kinsley, University of Montreal. Room 3, New Academic Building, Victoria College. 4.15 p.m. (Exchange Lectureship Committee, English)

Consumption: The essence of medical history.

Dr. L.S. King, University of Chicago. 3153 Medical Sciences Building. 5 p.m. (Hannah Institute)

Friday, October 27

Current Trends in Learning and Teaching.

Prof. W.J. McKeachie, Snider Visiting Fellow from University of Michigan. Council Chamber, Scarborough College. 12 noon.

Violence in sport — problems and prospects.

Prof. Michael Smith, York University. Innis College Town Hall. 12.15 p.m. Sixth talk in Lunch & Learn Club Series I, "Sport in Canadian Society"; membership for four series of lectures, \$25. Information 978-2400. (Continuing Studies)

Sunday, October 29

The Rebirth of Freedom in India.

Nani A. Palkhivala, Indian Ambassador to the USA, for "India Month", program to commemorate 10th anniversary of association between U of T and Shastri Indo-Canadian Institute. Auditorium, Medical Sciences Building. 6 p.m. Information, 978-6564. (Zoroastrian Society and Community Relations)

Monday, October 30

The Classical Age of Portuguese Culture.

First session in academic program for Portuguese Week.

"Portuguese literature of the 16th century", Prof. J.H. Parker, Department of Spanish & Portuguese; "Echoes of the classical age in contemporary Portuguese oral tradition", Prof. Manuel da Costa Fontes, Kent State University; slides on Portuguese art and architecture, Prof. Jill Webster, Erindale College. Croft Chapter House. Presentations from 8 p.m., discussion from 9.45 p.m.

Tuesday, October 31

The Origins of Emigration from Portugal.

Second session in academic program for Portuguese Week.

"Social conditions, emigration and the Estado Novo", Prof. David Raby, Erindale College; "An overview of the history of emigration from the Azores", Prof. Francis M. Rogers, Harvard University; discussant, José Carlos Farreire e Sousa, Secretaria de Estado da Emigração, Portugal. Croft Chapter House. Presentations from 8 p.m., discussion from 9.45 p.m.

Wednesday, November 1

The Molecular Dance in Chemical Reaction: An almost truthful account of two decades of research — with moralistic accompaniment.

University Professor John C. Polanyi, Department of Chemistry. Annual Jacob Bronowski Memorial Lecture. Wetmore Hall, New College, 21 Classic Ave. 8 p.m.

Tagore — Poet of Universal Man.

Prof. D. Sinha, Brock University, for "India Month", program to commemorate 10th anniversary of association between U of T and Shastri Indo-Canadian Institute. Debates Room, Hart House. 8 p.m. Information, 978-6564. (Tagore Lectureship Foundation and Community Relations)

Literature, Emigration and Self-Imagery.

Third session in academic program for Portuguese Week.

"The emigration in Portuguese literature", Prof. Ivana Versiani, Department of Spanish & Portuguese; "Myth and reality in Portuguese-Canadian history", Prof. D.C. Higgs, Department of History; "Les Portugais du Québec: valeurs d'origine et acculturation dans le nouveau milieu", Prof. João-António Apalhão, Université de Montréal; discussant, Domingo Marques, author. Croft Chapter House. Presentations from 8 p.m., discussion from 9.45 p.m.



The Islamic Garden.

Anthony Hutt, publisher and writer, London, Eng. Lecture room, McLaughlin Planetarium. 8 p.m. (Middle East & Islamic Studies and ROM)

Thursday, November 2

Gairdner Foundation Lectures.

Winners of the 21st series of Gairdner Foundation International Awards will present brief papers on their work at lecture sessions open to the profession. All lectures will be given in the auditorium, Medical Sciences Building. First of two sessions:

Endorphins and the regulation of pain.

Dr. Lars Terenius, University of Uppsala, 12 noon.

Structure and properties of the acetylcholine regulator (receptor + ionophore).

Dr. Jean-Pierre Changeux, Institut Pasteur, Paris. 12.45 p.m.

Genetics and biological complexity.

Dr. Sydney Brenner, MRC Laboratory of Molecular Biology, Cambridge. 1.30 p.m.

Protein phosphorylation reactions and the regulation of enzyme activity.

Dr. Edwin G. Krebs, University of Washington, Seattle. 2.15 p.m.

The Portuguese-Canadians.

Fourth session in academic program for Portuguese Week.

"The integration of the Portuguese immigrant family in Quebec", Prof. V. Pereira da Rosa, Université d'Ottawa; "The social significance of being a Portuguese-Canadian", Prof. R. Fernandes, University of British Columbia; "From Madeira to Ontario: aspects of Portuguese regionalism", Maria Linhares de Sousa, Toronto; discussant, Prof. Grace M. Anderson, Wilfrid Laurier University. Croft Chapter House. Presentations from 8 p.m., discussion from 9.45 p.m.

Friday, November 3

Socialization and Medical Care: The Dynamics of the Relationship.

Dr. Judith T. Shuval, visiting University of Michigan from Hebrew University of Jerusalem. Room 105, Faculty of Social Work, 246 Bloor St. West. 10 a.m. to 12 noon.

(Behavioural Science and Social Work)

Gairdner Foundation Lectures.

Winners of the 21st series of Gairdner Foundation International Awards will present brief papers on their work at lecture sessions open to the profession. All lectures will be given in the auditorium, Medical Sciences Building. Second of two sessions:

Molecular biology of the carcinembryonic antigen.

Dr. Phil Gold, McGill University. 12 noon.

Carcinoembryonic antigen as a tumor marker.

Dr. Samuel O. Freedman, McGill University. 12.45 p.m.

The plasma lipoproteins: discoveries and distractions.

Dr. Donald S. Fredrickson, National Institutes of Health, Bethesda. 1.30 p.m.

The metabolic activation and reactivity of chemicals in relation to their carcinogenic activities.

Profs. Elizabeth C. and James A. Miller, University of Wisconsin. 2.15 p.m.

Physical activity and the environment — the ecological challenge.

Prof. Kirk Wipper, School of Physical & Health Education. Innis College Town Hall. 12.15 p.m.

Seventh and last talk in Lunch & Learn Club Series I, "Sport in Canadian Society"; membership for four series of lectures, \$25. Information, 978-2400.

(Continuing Studies)

Saturday, November 4

Women and Management in Libraries

Fifth Bertha Bassam Lecture.

"The Sociological Perspective", Prof. Lorna Marsden, Department of Sociology; "Stories Daddy Never Told You: Destroying the Myth", Sherrill Cheda, Seneca College. Lecture theatre, Faculty of Library Science, 140 St. George St. 1 p.m.

(Library Science Alumni Association)

Underwater Wilderness.

Alan R. Emory, Royal Ontario Museum. Convocation Hall. 8.15 p.m., doors open 7.30 p.m.

(Royal Canadian Institute)

Colloquia

Wednesday, October 25

Spatial Memory and Food Searching Strategies in Rodents.

Dr. David Olton, Johns Hopkins University. 2135 Sidney Smith Hall. 4 p.m.

(Psychology and SGS)

Thursday, October 26

Climate and the Changing Sun.

Dr. John A. Eddy, High Altitude Observatory, Boulder. 102 McLennan Physical Laboratories. 4.10 p.m.

(Physics and UC)

Friday, October 27

Krishna Themes in Bengali Literature.

Prof. Joseph T. O'Connell, St. Michael's College. Religious Studies Lounge, 14-352 Robarts Library. 1 to 2.30 p.m.

Murder at the Red Lion: The Queen's Players in Norwich, June 15, 1583.

Prof. David Galloway, University of New Brunswick. North and south dining rooms, Hart House. 8 p.m.

(Renaissance & Reformation Colloquium)

Events

Seminars

Monday, October 23

Mountains of the Immortals: The Paintings of Fang Ts'ung-i.
Mary Gardner Neill, Yale University Art Gallery. Basement lecture room, McLaughlin Planetarium. 4 p.m.

The Methodist Church and Ukrainians in Canada: A Study in Assimilation Policy.

Vivian Olander, graduate student, Toronto School of Theology. Common room, 2nd floor, 21 Sussex Ave. 7.30 p.m. (Ukrainian Studies)

Tuesday, October 24

Suspensions for Commercial Vehicles.

Wallace G. Chalmers, P.Eng., Toronto. 252 Mechanical Building. 3.10 p.m. (Mechanical Engineering)

Heartbeats and the Octopus.

Prof. Martin Wells, University of Cambridge. 432 Ramsay Wright Zoological Laboratories. 4 p.m. (Please note day.)

The current dilemma of the life sciences.

Prof. Em. Erwin Chargaff, Columbia University. Informal seminar in SGS Alumni Association 1978 Distinguished Lectures. 1016 New College, 40 Willcocks St. 4 p.m. (Biochemistry, Clinical Biochemistry, IHPST, New College and SGS)

The Introduction of the New Federal Policy on Social and Economic Impact Analysis of Regulations.
Dr. Ray Robinson, Environment Protection Service, Fisheries & Environment Canada, and Dr. Brian Selske, consultant. 130 Wallberg Building. 4 p.m. (Special seminar, IES and Environmental Engineering)

Wednesday, October 25

Addiction Is Not What You Think.
Stanton Peele, visiting associate professor, Pratt Institute. Auditorium, Addiction Research Foundation, 33 Russell St. 12.30 to 2 p.m.

Thursday, October 26

MIREX.

Dr. Klaus Kaiser, National Water Research Institute, Burlington. 130 Wallberg Building. 4 p.m. (IES and Environmental Engineering)

Zoogeography and Paleoecology: Interpretations from Late Pleistocene Insect Assemblages in Southern Ontario.

Prof. Alan Morgan, University of Waterloo. 432 Ramsay Wright Zoological Laboratories. 4 p.m.

Self-Ordering of Amino Acids—Protocells.

Prof. Sidney W. Fox, University of Miami. 2082 South Building, Erindale College. 5.15 p.m. (Biology seminar)

Monday, October 30

HLA and diabetes

Dr. Judy Falk, Toronto Western Hospital. 417 Best Institute. 4 p.m.

Theory and Methods of Fission-Track Dating.

Prof. Nancy Briggs, Scarborough College. 202 Mining Building. 4 p.m.

The Continental Ancestors of the Yumedono Kannon: A Study in Diplomatic and Stylistic History.
Prof. Jonathon W. Best, University of Virginia. Basement lecture room, McLaughlin Planetarium. 4 p.m.

Russia and Ukraine: The Difference that Peter I Made.

Prof. Orest Subtelny, Hamilton College, New York. Common room, 2nd floor, 21 Sussex Ave. 7.30 p.m. (Ukrainian Studies)

Tuesday, October 31

Stratigraphic Application of the Fission-Track Dating Method.
Dr. C.W. Naeser, U.S. Geological Survey, Denver. 202 Mining Building. 4 p.m.

Wednesday, November 1

Fission Tracks and Thermal Histories of Rocks.
Dr. C.W. Naeser, U.S. Geological Survey, Denver. 202 Mining Building. 4 p.m.

Thursday, November 2

A Behavioural Code of Practice for Living in the Biosphere.

Dr. Jack Vallentyne, Fisheries & Marine Service, Canada Centre for Inland Waters. 130 Wallberg Building. 4 p.m. (IES and Environmental Engineering)

Rapid Eye Scanning Movements in the Crab and their Significance for the Visual System.

Prof. D. Sandeman, Australian National University. 432 Ramsay Wright Zoological Laboratories. 4 p.m.

Death at an Early Age — Effect of Adult Townsend Voles on Young.

Prof. Rudi Boonstra, Scarborough College. 2082 South Building, Erindale College. 5.15 p.m. (Biology seminar)

Friday, November 3

Nutritional, metabolic and functional aspects of Inositol.

Prof. B. Holub, College of Biological Sciences, University of Guelph. 2173 Medical Sciences Building. 11 a.m.

The Role of Models in Professional Socialization.

Dr. Judith T. Shuval, visiting University of Michigan from Hebrew University of Jerusalem. 104 McMurrich Building, 12 Queen's Park Cres. W. 12.30 to 2 p.m. Information, 978-8610. (Behavioural Science and Social Work)

Microbial Formation and Degradation of Environmental Pollutants.

Prof. Martin Alexander, Cornell University. Media Room, 179 University College. 3.30 p.m. (Botany and UC)

Monday, November 6

Modulation of receptor activity by membrane lipid composition.

Dr. Arnis Kuksis, Banting & Best Department of Medical Research. 417 Best Institute. 4 p.m.

Growing Up in Halychyna in the 1930s: A Ukrainian-Canadian Perspective.

Stanley Frolick, Q.C., Toronto. Common room, 2nd floor, 21 Sussex Ave. 7.30 p.m. (Ukrainian Studies)

Tuesday, November 7

Sedimentology of the Athabasca Tar Sands.

Dr. Grant Mossop, Alberta Research Council, Canadian Society for Petroleum Geologists distinguished lecturer for 1978. 202 Mining Building. 12 noon.

Exploitation of the Athabasca Tar Sands.

Dr. Grant Mossop, Alberta Research Council, CSPG distinguished lecturer for 1978. 202 Mining Building. 4 p.m.

Meetings

Friday, October 27

Social Upheaval in Italy: Contemporary and Historical Views.

Speakers at conference will be Profs. Claire Lavigna, Erindale College; John Cammett, City University of New York; and Grant Amyot, Queen's University. Croft Chapter House. 9 a.m. to 4.45 p.m. Information and confirmation of attendance, 978-3350 or 978-6498. (European Studies Committee, CIS; Woodsworth College, York University, Consulate General of Italy and Centro Scuola E Cultura Italiana)

Wednesday, November 1

FLS Update 78.

Library and the Community"

Prof. John Marshall, Faculty of Library Science. 9.30 a.m.

(5) "Computer Systems"

Prof. William Kurkum, Faculty of Library Science. 2 p.m.

(6) "Technical Services"

Profs. M.E. Cockshutt, C.D. Cook, K.H. Packer and N.J. Williamson, Faculty of Library Science. 7.30 p.m.

Friday, November 3

FLS Update 78.

See listing Nov. 1 for registration and details.

Sessions, Nov. 3:

(7) "Children's Services"

Prof. Adele Fasick, Faculty of Library Science, and others. 9.30 a.m.

(8) "Publishing in Canada and Library Service"

Dean F.G. Halpenny, Faculty of Library Science, and others. 2 p.m.

14th Annual Conference on Editorial Problems.

Theme of this year's conference, to be held Friday evening Nov. 3 and Saturday Nov. 4, is "Editing of Correspondence". Writers to be discussed will include Walpole, Rousseau, Scott, Disraeli, and Zola. Presenting papers will be Wilmarth S. Lewis, Ralph A. Leigh, Alan S. Bell, John P. Matthews and John A. Walker. All lectures will be held in the Innis College Town Hall. Registration from 5.15 p.m., Nov. 3; registration forms and further information, Prof. Desmond Neill, Library, Massey College, telephone 978-2893.

Saturday, November 4

Applied Sciences Symposium.

1978 congress of the Canadian Society for Psychomotor Learning & Sport Psychology to be held Nov. 4 and 5.

All sessions will be held in the Medical Sciences Building. Sessions: Nov. 4, from 9 a.m. to 8.30 p.m.; Nov. 5, from 9 a.m. to 5 p.m. Registration: pre-registration \$30; at symposium \$35. Information, 978-3448 or 978-6096.

Computers, Electronics and Control: CEC '78.

Fourth international symposium, Nov. 1 to 3. Toronto Hilton Hotel. Information, Department of Electrical Engineering, 978-5001.

Thursday, November 2

FLS Update 78.

See listing Nov. 1 for registration and details.

Sessions, Nov. 2:

(4) "Beyond Professionalism: The

Plays & Readings

Wednesday, October 25

The Lady from the Sea.

Henrik Ibsen, produced by Graduate Centre for the Study of Drama, directed by Martin Hunter. Performances Wednesday to Saturday, Oct. 25 to 28 and Nov. 1 to 4. Studio Theatre, 4 Glen Morris St. 8 p.m. Reservations, 978-4010 (1 to 6 p.m.) or after 6 p.m. on evenings of performance, 978-8705.

Thursday, October 26

Miriam Waddington.

Second in series of poetry readings at New College. 1016 New College, 40 Willcocks St. 8 p.m.

Monday, October 30

UC Poetry Readings.

Prof. Guy Hamel, Department of

English, will read Elizabethan poetry. Walden Room, Women's Union, 79 St. George St. 4.10 p.m.

Tuesday, October 31

Mummers' Play for Hallowe'en.

Produced by Poculi Ludique Societas, two performances will be given: South lobby, Robarts Library at 12.15 p.m.; lobby, Sidney Smith Hall at 12.45 p.m. Information, 978-5095.

Monday, November 6

What the Crow Said.

Robert Kroetsch will read from his newly published novel. R-3103 Scarborough College. 12 noon.

Council of Ontario Universities Programmer/Analyst

The Council of Ontario Universities has an immediate opening for a Programmer/Analyst to provide computing support within its Research Division. Responsibilities include designing, testing and documenting new programmes as required; maintaining and modifying existing programmes; and creating and maintaining data bases on cards, tape and disk. This position is also responsible for liaison between the Research Division and the University of Toronto Computing Centre.

The successful candidate will likely hold a university degree (a portion of the work toward the degree must have included computing applications) and will have one or two years' experience on an IBM 370 system. A working knowledge of PL/1, TSO, FORTRAN and OS JCL plus either SPSS or MARK IV is essential. The position requires the ability to communicate effectively, orally and in writing, and the successful candidate must be capable of working independently.

Starting salary will be in the range of \$13,500 — \$14,500, depending on experience. Excellent fringe benefits.

Interested candidates should forward resumes to:

Director of Research, Council of Ontario Universities,
130 St. George Street, Suite 8039, Toronto, Ontario M5S 2T4



Events

Miscellany

Monday, October 23

How to Survive as a Female Employee.

Second of three programs, "Women and Jobs: Satisfaction or Survival", will include career planning, sexist attitudes, and questions in the employment interview. Innis College Town Hall. Two sessions: 12 noon to 2 p.m. and 5 to 7 p.m. Information, 978-8507 or 978-7051.

Tuesday, October 24

Overseas Projects.

Information session on international work camps, exchanges, study tours, third world development agencies and missions. International Student Centre, 33 St. George St. 3 to 6 p.m. Information, 978-6617.

Book sale

Third annual sale sponsored by Friends of the Library, Trinity College. Seeley Hall, Trinity College, Hoskin Ave. entrance. Oct. 24 from 7 to 10 p.m.; Oct. 25 from 11 a.m. to 9 p.m. Admission opening night only 50 cents (homemade refreshments). Information, 978-2651.

Wednesday, October 25

Kundalini Yoga.

Introductory classes for Yoga course; six week course will begin Wednesday Nov. 1. International Student Centre, 33 St. George St. 9 to 10.30 a.m. Fee \$3 per class. Information, 961-6314 978-2564.

Careertalks.

Representatives from business, industry, government and the academic world will discuss occupational areas and academic programs with students. Talks are held Monday and Wednesday in 1069 Sidney Smith Hall from 1 to 3 p.m. Wednesday, Oct. 25, Monday, Oct. 30, Wednesday, Nov. 1, and Monday, Nov. 6, medical and health related careers. Information, 978-2537. (Career Counselling & Placement Centre)

Concerts

Wednesday, October 25

Available Space Band.

Wednesday afternoon pop concert. East Common Room, Hart House. 12 noon to 2 p.m.

David Hetherington and Patrick Li. Cello and piano duo will give second Wednesday noon hour concert, Brahms Sonata in F major, op. 99. Concert Hall, Royal Conservatory of Music. 12.15 to 12.45 p.m. Information, 978-3771.

Sunday, October 29

Schumann at Hart.

First in series of six weekly Sunday concerts, in co-operation with CBC, of chamber music of Robert Schumann. Great Hall, Hart House. 3 p.m. Free tickets for Hart House members from hall porter; others \$2.50 from CBC, telephone 925-3311, ext. 4835. Information, 978-2447.

Three Bach Hours.

First of three Sunday concerts. Lorand Fenyves, violin, will perform Partita in E major, and be joined by student orchestra for Concerto in D minor; Vladimir Orloff, cello, will perform Suite No. 3 in D minor; John Kruspe, piano, will play several preludes and fugues from the Well Tempered Clavier. Walter Hall, Edward Johnson Building. 3 p.m. Tickets \$4, students and senior citizens \$2. Information, 978-3744.

Monday, October 30

Virtuosi di Roma with Renato Fasano.

First of three special concerts in co-operation with CBC. All Vivaldi program. MacMillan Theatre, Edward

Sunday, October 29

Dentistry Open House.

Faculty of Dentistry will hold its annual open house from 1 to 4 p.m.

Monday, October 30

So You've Got a Degree...

Last of three programs, "Women and Jobs: Satisfaction or Survival", will include dossier preparation, job hunting, self-presentation, as well as other questions of general concern. Innis College Town Hall. Two sessions: 12 noon to 2 p.m. and 5 to 7 p.m. Information, 978-8507 or 978-7051.

Wednesday, November 1

Parochialism vs. Nationalism in Canadian Music.

Prof. Godfrey Ridout, Faculty of Music. First of six Graduate Committee Dinner Meeting Series, Wednesday evenings throughout term. Dinner and discussion, all members of the University community welcome. Information, 978-2446.

Convocation.

First of Fall Convocations. Graduates of Erindale College, to be held at Erindale. President James Ham will deliver the Convocation address. Meeting Place, Erindale College. 8 p.m.

Friday, November 3

Men's Hockey.

Blues vs Clarkson College, New York. Varsity Arena. 7 p.m. Reserved seats \$2, general admission \$1.

Sunday, November 5

Santa Claus Parade.

Woodsworth College is having an open house after the Santa Claus Parade which will pass the corner of St. George and Bloor Streets between 1.30 and 1.45 p.m. Hot chocolate and a visit from Santa. Drill Hall, 119A St. George St.

Johnson Building. 8.30 p.m. Tickets \$7 orchestra, \$4 balcony. Information, 978-3744.

Wednesday, November 1

Melissa Pederson.

Wednesday afternoon pop concert. East Common Room, Hart House. 12 noon to 2 p.m.

Leslie Kinton and Susan Prior.

Piano and baroque flute duo, will give third Wednesday noon hour concert; program includes C.P.E. Bach and Mozart. Concert Hall, Royal Conservatory of Music. 12.15 to 12.45 p.m. Information, 978-3771.

Ballet Ys.

Music Wednesday night. Music Room, Hart House. 8.30 p.m.

Sunday, November 5

Orford String Quartet.

First of four concerts. Program includes Mozart, Debussy; quartet will be joined by Patricia Parr, piano, for Piano Quintet in C minor by Fauré. Walter Hall, Edward Johnson Building. 3 p.m. Tickets \$6, students and senior citizens \$3. Information, 978-3744.

Schumann at Hart.

Second in series of six weekly Sunday concerts, in co-operation with CBC, of chamber music of Robert Schumann. Great Hall, Hart House. 8.30 p.m. Free tickets for Hart House members from hall porter; others \$2.50 from CBC, telephone 925-3311, ext. 4835. Information, 978-2447.

Films

Wednesday, October 25

Jigsaw Fit.

Seventh in series of 12, "Planet of Man", television series by Dr. J. Tuzo Wilson. 2080 South Building, Erindale College. 1 p.m.

Thursday, October 26

The Impressionists.

Fourth of "Museum Without Walls" series, presents origins and development of impressionist painting from Corot and the Barbizon painters to Monet's "Water Lilies". Hart House Art Gallery. Two screenings: 12 noon and 7 p.m.

Friday, October 27

Pather Panchali.

Film by Satyajit Ray (in Bengali with English subtitles) for "India Month", program to commemorate 10th anniversary of association between U of T and Shastri Indo-Canadian Institute. 2172 Medical Sciences Building. 7 p.m. Information, 978-6564. (Indian Students Association and Community Relations)

Wednesday, November 1

Challenge of the Deep.

Eighth in series of 12, "Planet of Man", television series by Dr. J. Tuzo Wilson. 2080 South Building, Erindale College. 1 p.m.

Thursday, November 2

The Cubist Epoch.

Fifth of "Museum Without Walls" series, surveys cubist art in the context of its period, its development with Picasso and Braque. Hart House Art Gallery. Two screenings: 12 noon and 7 p.m.

Friday, November 3

Days and Nights in a Forest.

Film by Satyajit Ray (in Bengali with English subtitles) for "India Month", program to commemorate 10th anniversary of association of U of T and Shastri Indo-Canadian Institute. 2172 Medical Sciences Building. 7 p.m. Information, 978-6564. (Indian Students Association and Community Relations)

Exhibitions

Tuesday, October 24

Jane Brooke: Sorties & Soliloquies.

Linear graphics on view at Hart House Art Gallery to Nov. 10. Gallery hours: Monday, 11 a.m. to 9 p.m.; Tuesday-Saturday, 11 a.m. to 5 p.m.; Sunday, 2 to 5 p.m.

Thursday, November 2

Building Canadian Knowledge and Understanding of India.

Exhibition of books from the Shastri collection in the J.P. Robarts Research Library for "India Month" commemorating 10 anniversary of association between U of T and Shastri Indo-Canadian Institute. Display area, Robarts Library, to Nov. 30.

George Grosz.

Prints, collages, drawings, water-colours, stage designs and manuscripts on loan from West Berlin Academy of Art. Art Gallery, Erindale College, to Nov. 30. Gallery hours: Monday-Friday, 9 a.m. to 9 p.m.; Saturday-Sunday, 2 to 5 p.m.

Work-in-Progress: Architecture.

Exhibition of current student work in School of Architecture. Galleries, School of Architecture, 230 College St., to Nov. 17. Gallery hours: Monday-Friday, 9 a.m. to 8 p.m. (Architecture and Landscape Architecture)

Saturday, November 4

Fall Show, Art Guild of Scarborough

Annual fall exhibition. Science Street, third level, Scarborough College, Nov. 4 and 5. Hours: Saturday, 12 noon to 8 p.m.; Sunday, 10 a.m. to 6 p.m.

Long-term planning a necessity

Continued from Page 1

or \$3,000 to live away from home can put a university education out of reach for many. We should keep in mind the number of students at Erindale and Scarborough who live in the surrounding areas."

Principal Joan Foley of Scarborough College said about 60 percent of the students there are drawn from the north-east section of the city.

The future of the two suburban colleges cannot be discussed outside the context of the role of arts and science education in the province at large, said Dean Etkin.

"Political events may well have overtaken the University on the tri-campus issue," said Jordan Sullivan, an alumni representative on the committee. "The government might be making the decision for us, and that would be a tragedy."

A & S pressured into planning

Dean John Ricker, chairman of the Planning & Priorities Subcommittee, described the second interim report as modest, sensible, and non-controversial. One of the subcommittee's great achievements, said Vice-Provost Israel, is that the Faculty of Arts & Science has been pressured into making a commitment to planning.

Vice-Dean Jacon Spelt said there had been no less planning in his faculty than anywhere else in the University, adding that at least two dozen of the 29 departments are the best in the country. He admitted, though, that the Department of Political Economy will be on the verge of collapse if it doesn't get more staff.

"Arts and science is obviously not in control of such things as massive shifts of student demands," said Professor G.W.R. Heinke of the Planning & Priorities Subcommittee. "Maybe we shouldn't be admitting so many students to commerce and finance programs."

In other business, six non-voting "assessor" members were named to the Academic Affairs Committee. They are: Dean Bernard Etkin of the Faculty of Applied Science & Engineering; Dr. W.H. Francombe, associate dean of the Faculty of Medicine; Principal Paul Fox of Erindale College; Dean Ralph Garber of the Faculty of Social Work; Acting Dean R.H. Painter of the School of Graduate Studies; and Vice-Dean Jacob Spelt of the Faculty of Arts & Science. Julia Turner was named an undergraduate member of the Subcommittee on Curriculum & Standards.

The next Academic Affairs Committee meeting will be Oct. 26.



The Future of the Suburban Campuses

by Joan Foley
Scarborough College

In the search for solutions to the problem of declining enrolment, many a baleful eye has been cast on Scarborough and Erindale Colleges. In some minds, symbolic demolition hoardings have already gone up around the arts and science programs at the suburban campuses.

Yet this year, first choice applications to St. George campus colleges declined by nearly five percent while applications to Scarborough and Erindale Colleges held steady.

Population decline in the 18 to 24 age group won't be as great in the ever-swelling suburbs as it will be in the central metropolitan area so more and more U of T applicants may be opting for the suburban campuses.

Principal Joan Foley of Scarborough College says the University should resist government intervention in setting enrolment quotas and should be considering tri-campus arts and science planning designed to enhance the strengths and play down the weaknesses of existing programs.

The University system in Ontario faces the prospect of managing enrolment demands in the next 10 to 20 years which are likely to be quite different from those of the last 20 years. This situation is expected to arise both from factors affecting students' choice of program and from variation in the population size at certain critical age levels. The University of Toronto, with the largest student body in the province, must certainly concern itself with these issues. Arts and science programs attract particular attention for a number of reasons: they are liable to be the first impacted by demographic trends since system capacity at least equals demand for places at the present time; they involve the largest numbers of students at all institutions; the University's arts and science program is the largest in the province, operating on three campuses.

The University's response to the issues currently being raised should stress four essential features.

1. The University should remain positive in its view regarding the individual and societal values of education in the arts and sciences. While it is true that some, perhaps even many, students have entered arts and science programs in recent years for inappropriate reasons, they and society have nevertheless benefited from the experience. The objectives of arts and science studies remain legitimate and relevant. The need for citizens who have some understanding of the behaviour of complex biological, physical, and social systems will not diminish during this century and the stabilizing influence of people with a developed historical and cultural perspective and the ability to articulate human and humane values will be needed more than ever. The preparedness of the University to promote this point of view will itself influence the level of demand which materializes in the coming decade.

2. The University should strongly

resist encroachments upon its institutional autonomy in the "interests of the system". In the long run no university in the province will benefit by direct government intervention in the internal affairs of another. U of T has amply demonstrated its ability to behave responsibly *vis-à-vis* the system by refusing to allow unlimited growth despite a high level of student demand during a period when such growth would have been financially advantageous. Suggestions that it might now consider a 40 percent reduction in its full-time undergraduate arts and science enrolment in order to alleviate an anticipated squeeze on other universities are ludicrous in the extreme, particularly in view of the relative level of university service provided in much less populous areas of the province. Should the University determine that a planned reduction in arts and science enrolment is desirable, the manner in which it elects to do this must be of its own deciding.

3. Three-campus arts and science planning in the University should recognize that, just as demographic trends are not expected to be uniform across the province, neither will they be constant throughout the metropolitan area of Toronto and environs. Declines in the population in the 18-24 year age group will not be as marked in the developing suburban regions as in the central area. In some outlying areas the numbers will actually increase.

This effect may well accelerate the present trend for an increasing share of University applicants to elect Scarborough and Erindale Colleges. A symptom of this effect may have been experienced in the current year in which first-choice applications to the St. George campus colleges declined by nearly 5 percent while the numbers applying to Scarborough and Erindale Colleges held steady.

The percentage of applicants who accept offers of admission to Scarborough is now within a few points of the acceptance rate for the St. George campus. Over 70 percent of the incoming students elect Scarborough as their first choice and two-thirds of those are qualified for admission to the St. George campus. The first-year class at Scarborough this year is larger than last despite the drop in St. George

grade 13 cut-offs by 4 to 6 percent.

The other essential features of three-campus arts and science planning is that it be designed to enhance the attractiveness of all three programs. This demands different strategies for Scarborough and Erindale from that which is appropriate for the St. George campus because the strengths and weaknesses of the programs are different. Of major concern on the St. George campus is the lack of community which affects many faculty members as well as most students. The objectives of the *Memorandum of Agreement Relating to the Role of the Colleges in the Faculty of Arts & Science* are unlikely to be met unless the roles of the departments and the colleges can somehow be made consonant.

These problems are unknown at Scarborough College. The college's faculty does nearly 95 percent of the teaching of its students. What is of concern is the difficulty of maintaining a core curriculum in some disciplines with faculty-student ratios which are much less favourable than in most departments of comparable levels of undergraduate enrolment on the St. George campus. Reductions of the college's curriculum will be counterproductive. The University must seek mechanisms to ensure that a reasonable balance of programs can be available across the three campuses.

4. The University should seek to identify new opportunities which might be presented by any changes in demand patterns. For example, it may wish to examine the potential for multi-faculty programming on all three campuses as a means of rationalizing capital development, redistributing service teaching, and, perhaps, enabling expansion of enrolment in professional programs where appropriate. The possibilities of joint program development with neighbouring community colleges has been suggested as a means of meeting both academic and vocational objectives. These opportunities might exist at any of the three campuses. Attention might well be given to the coming bulge in continuing education — after all, university graduates constitute a major market for these programs and there have never been so many new graduates produced as in the last decade.

YUSA thanks supporters

On behalf of YUSA — the York University Staff Association — I would like to thank those University of Toronto faculty members who supported our strike.

The YUSA strike has shown that workers in the public sector can successfully fight against cutbacks aimed at the lowest paid workers. We have shown that when the cause is just, men and women, students and faculty, secretaries and tradesmen will unite to support the struggle. Trade unionists, women's groups and concerned individuals from as far away as Vancouver Island sent messages of support. Thousands of dollars were contributed to our strike fund — without an official appeal for funds having been sent out.

We had just begun to tap all the resources at our disposal, all the generous offers, the shrewd advice. For all of this we are deeply grateful.

We are grateful that you, faculty members from another university, in recognizing the broader implications of the YUSA strike, actively demonstrated your support for the struggle.

Lauma Avens
President,
York University Staff Association

Knox College
Laidlaw Lectures 1978

Dr. Brevard S. Childs
Prof. of Old Testament,
Yale University

Subject: "The Old Testament as Scripture of the Church"

October 23
The Search for a Canonical Interpretation of the Bible

October 24
The Book of Isaiah in the Context of the Canon

October 25
The Psalter in the Context of the Canon

October 26
The Book of Daniel in the Context of the Canon

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24 days, 22 nights twin \$961 single 1,080

Reading Week - Depart. Feb. 16, return Feb. 25

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KRANJSKA GORA Hotel Alpina twin \$625 single \$649

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